

Motorcycle Glossary



Fabric Air Cleaner



Foam Air Cleaner



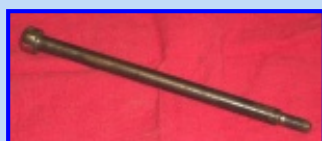
Paper Air Cleaner



Armature



Auto lube oil pumps



Axle



Bearings



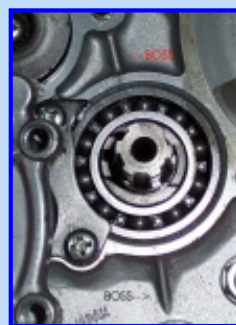
Belt Drive



Black Box



Bore



Boss



Bowden Cable



Brake Pads



Brake shoes



Breather



Brushes



Cable Adjuster



Caliper



Camshaft



Cam Chain

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Fabric Air Cleaner



Air cleaners filter dirt from the air so it does not go into the engine.

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Foam Air Cleaner



Air cleaners filter dirt from the air so it does not go into the engine. A Foam air cleaner can be cleaned and reused.

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Paper Air Cleaner



Air cleaners filter dirt from the air so it does not go into the engine. A Paper air cleaner cannot be reused and must be replaced.

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Armature



An Armature is, in essence, a bundle of wires. It is the central part of a DC generator, starter or magneto.

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Auto lube oil pumps



Two Stroke Autolube Pumps pump a variable amount of two stroke oil

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Axle



Wheels revolve, on bearings, around axles.

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Bearings



Bearings come in many sizes and are used to keep shafts turning with very little friction.

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Belt Drive



Some motorcycles use a belt instead of a chain for the rear wheel drive.

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Black Box



A Black Box is the "Brain" of an electronic ignition system.

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Bore



The Bore is the diameter of any hole used on a motorcycle.

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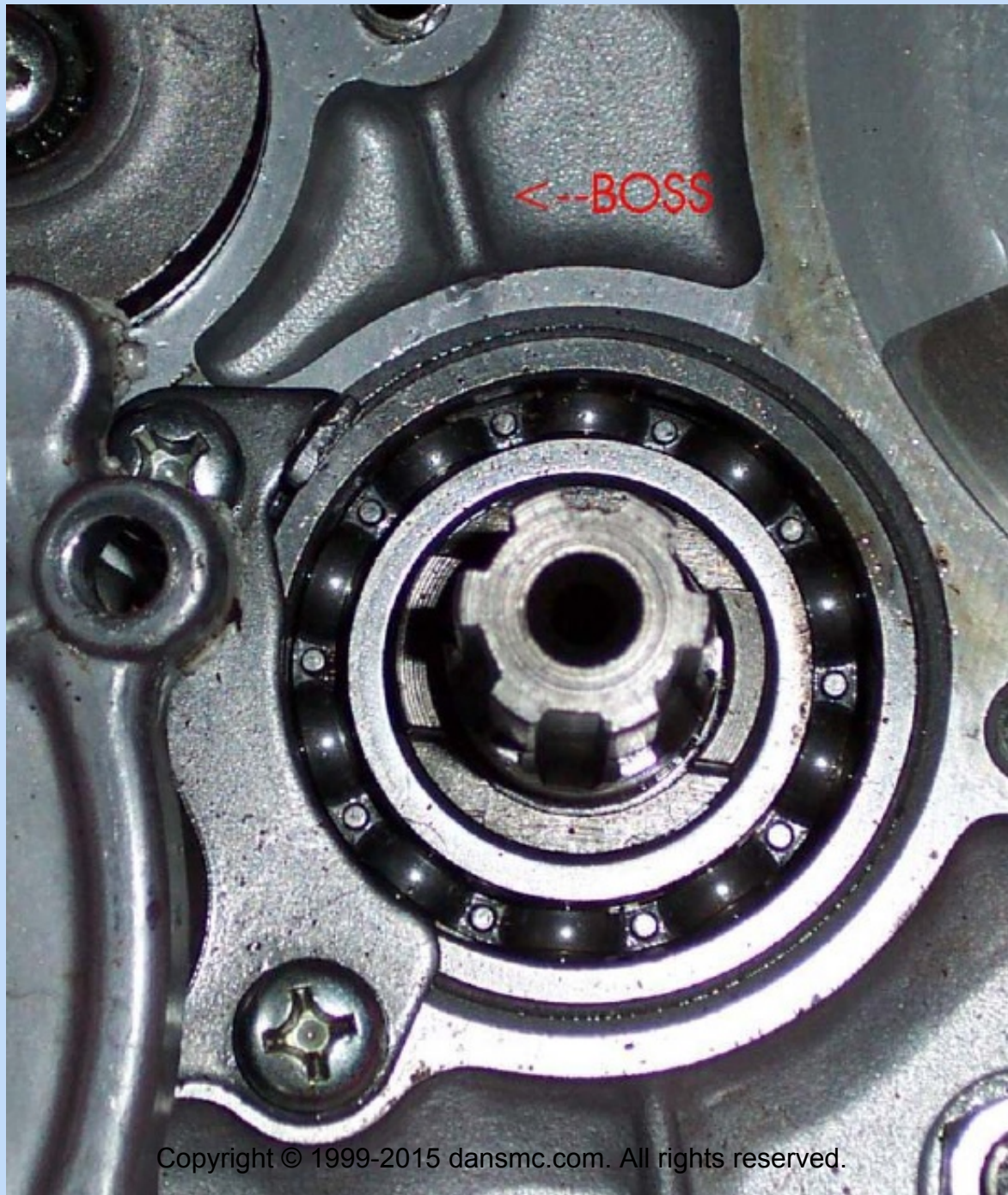
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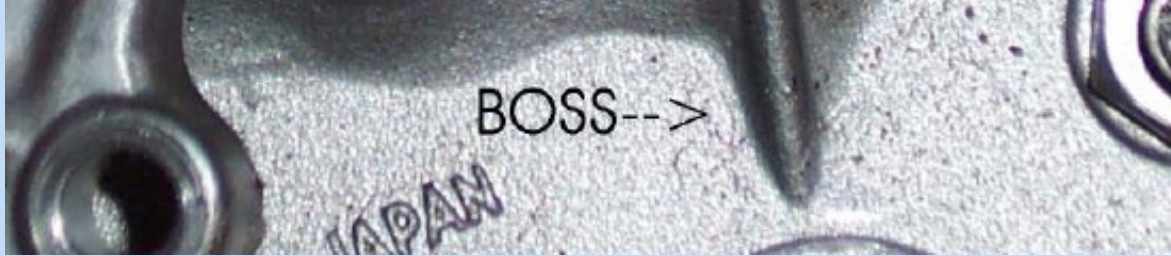
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Boss





A Boss is the additional thickness or extension of metal placed

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Bowden Cable





Bowden Cables can control throttle, front brakes and rear brakes on many motorcycles.

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Brake Pads





Brake calipers use brake pads to hydraulically press against the brake rotor to stop the motorcycle.

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Brake shoes



Brake shoes press against the brake drum to stop the motorcycle.

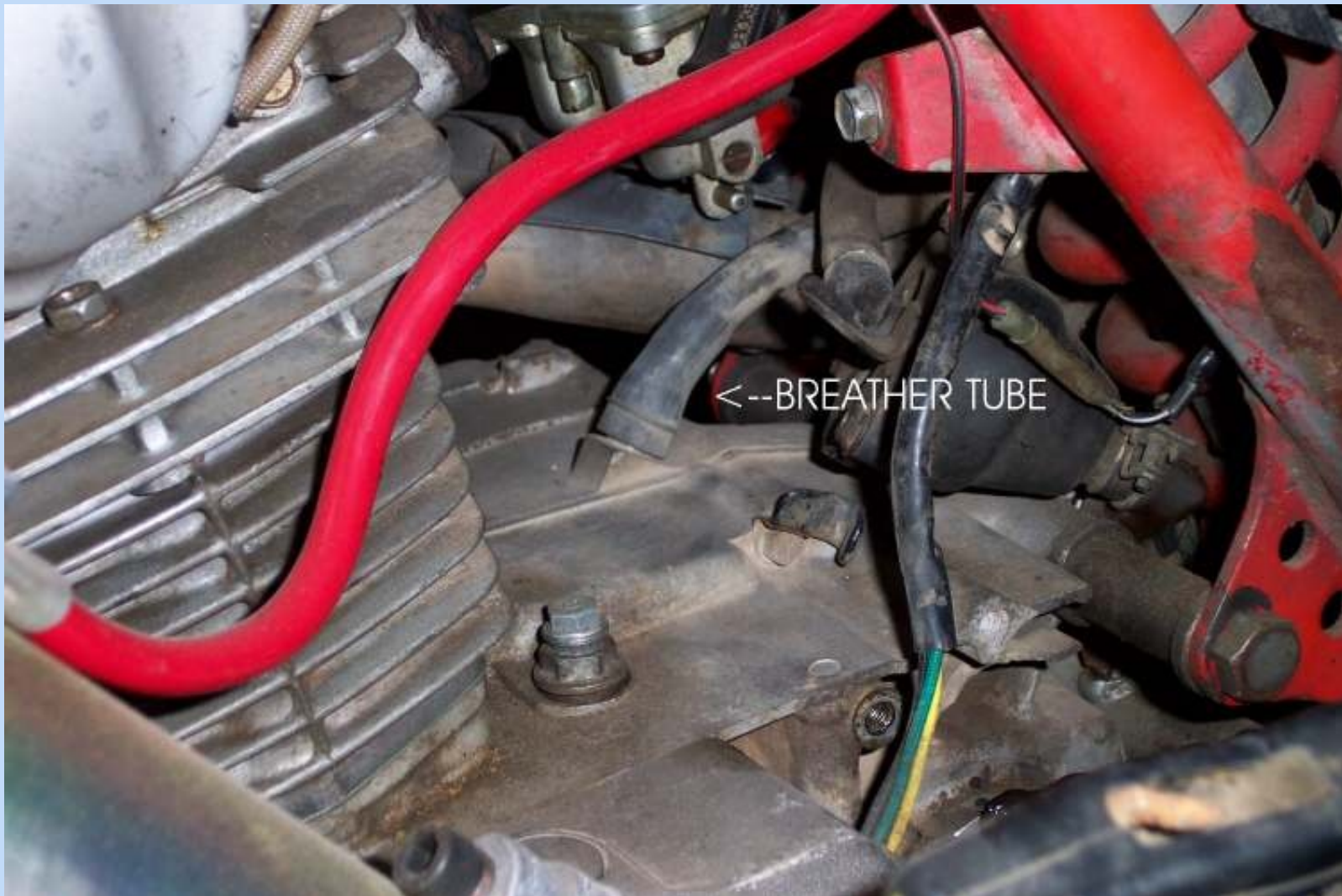
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Breather



Every engine has an engine breather of some kind to release pressure inside the engine crankcases.

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Brushes



Carbon brushes are used to transfer electrical power to/from a moving part like an armature.

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Cable Adjuster





Cable adjusters lengthen or shorten the inner wire of a Bowden cable.

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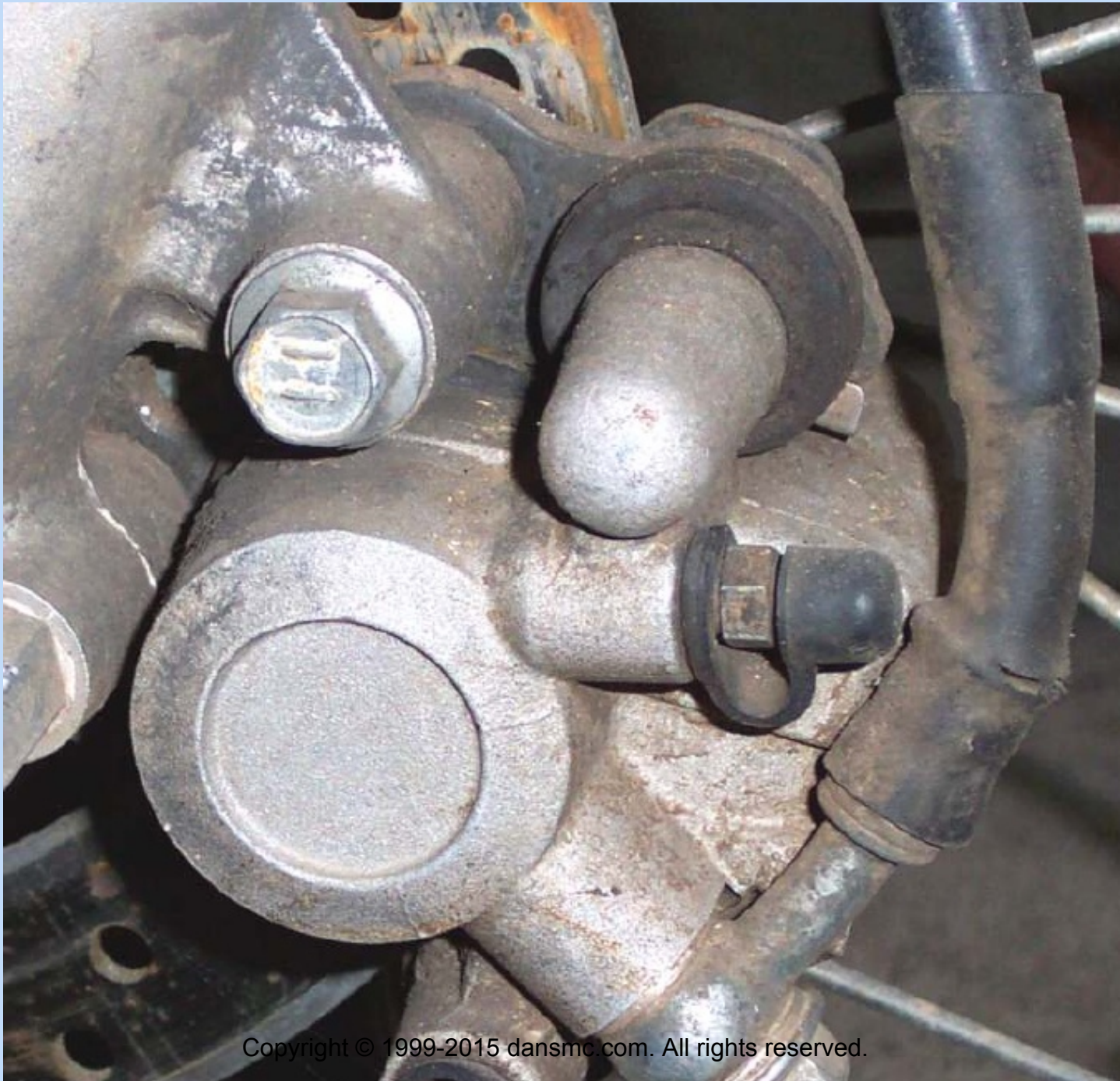
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Caliper





Calipers grip a disc brake rotor, slowing the motorcycle down.

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Camshaft



Camshafts have lobes that open and close the valves in a four stroke motor, in a controlled manner.

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Cam Chain





Cam Chains turn the camshaft around so the cam lobes will open/close the valves.

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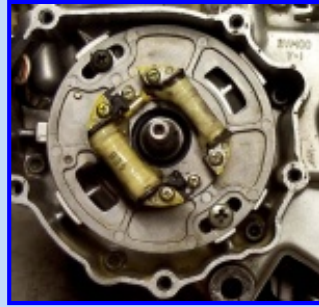
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Carburetor



Castle Nut



CDI Coils



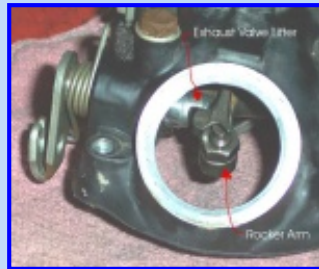
Circlips



Clutch



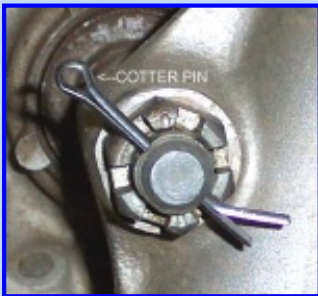
Clutch Plates



Compression Release



Condenser



Cotter Pin



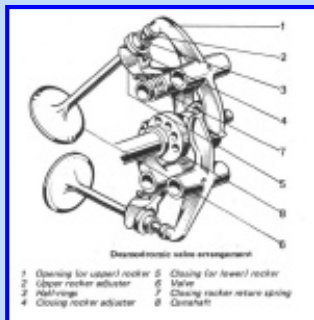
Crank Case



Crankshaft



Countershaft Sprocket

**Desmodromic Valves****Diaphragm****Disc Brake Rotor****Dog****Dowel****Drift****Drive Shaft****Drum Brake****MOTORCYCLE GLOSSARY:**

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Float Level



Float Types



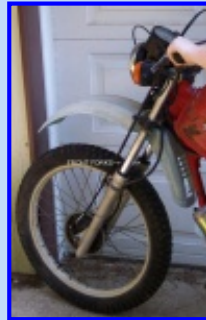
Flywheel



Four stroke cylinder head



Four stroke cylinder



Front Forks



Gears



Gear Cluster



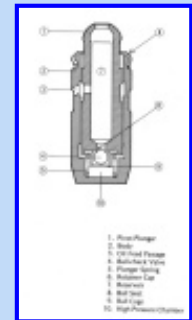
Gear shifter



Handle Bars



Helicoil



Hydraulic Tappets



Tire Inner Tube



Kick Starter



Kill Buttons



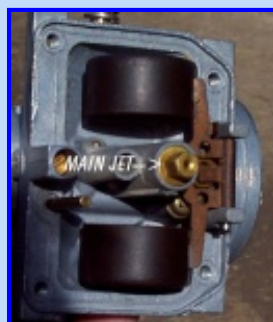
Lever



Lever Perch



**Magneto Coils and
flywheel**



**Main Jet in the
Carburetor**



Main Jet

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Motorcycle Glossary



Carburetor Manifold



Master Cylinder



Megaphone



Mono Shock



Oil Dip Stick



Oil Filter



Oil Ring



Oil Site Window



Pegged Ring



Ignition Contact Points



Push Rod



Radiator



Rear Chain



Rectifier



Reed Valves



Rings



Rocker Arm



Rod



Rotary Valve



Seals

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Shims



Side Stand



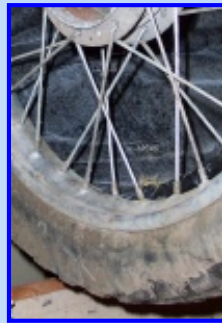
Spark Advance



Vacuum Advance



Spark Plug Cap



Spokes



Sprockets



Stator Coils



Stepped Bolt



Stud



Swing Arm



Triple Tree



Twin Shock



Two Stroke Cylinder



Two Stroke Head



Valve Keepers



Valves



Valve Shim



Woodruff Key



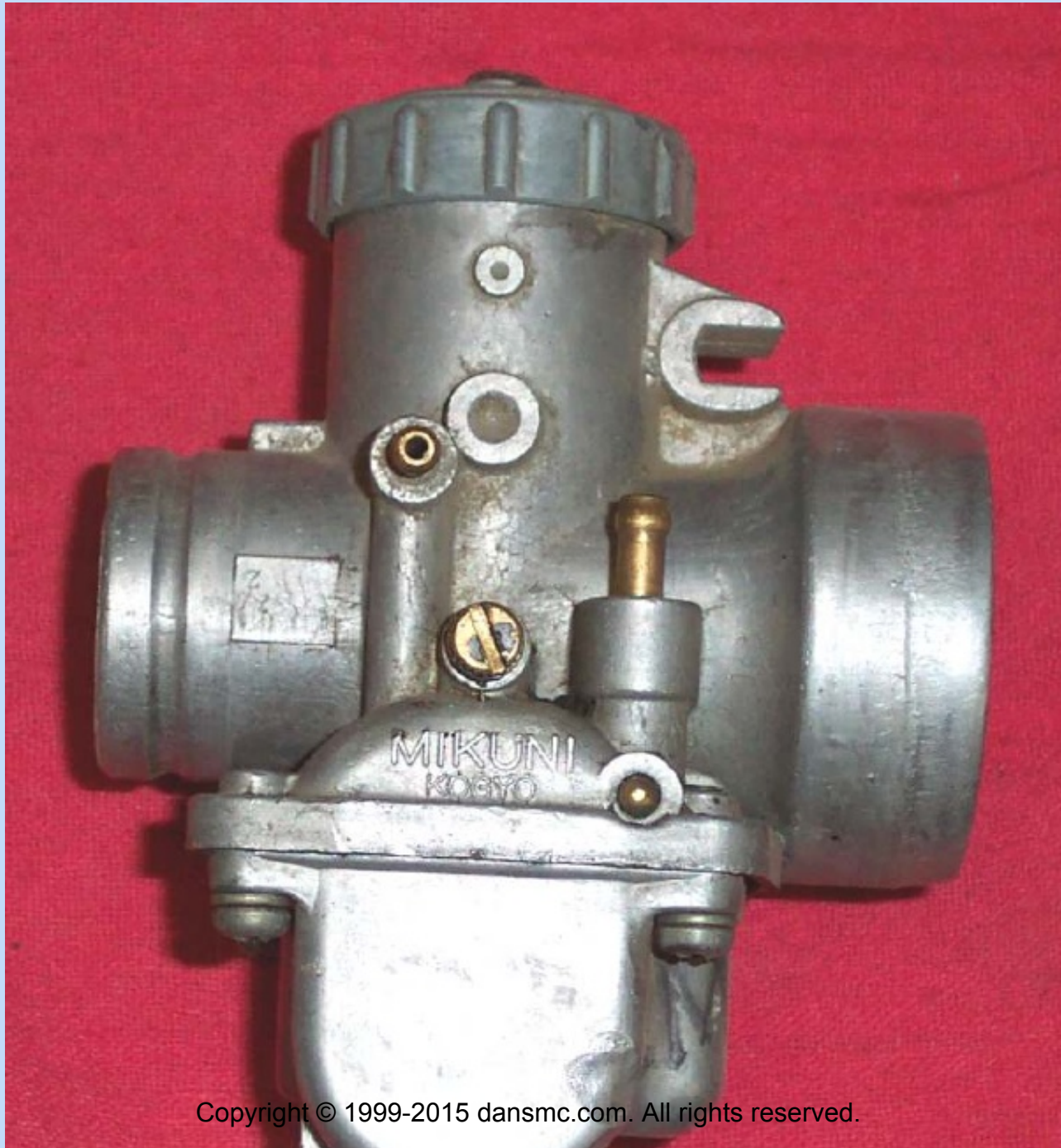
**Wrist Pin
Grudgeon Pin**

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Carburetor





Carburetors mix air and gasoline to the proper ratio to burn in the engine.

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Castle Nut





Castle Nuts are usually used on axles. The axle has a hole for a cotter pin. This locks the nut to the shaft.

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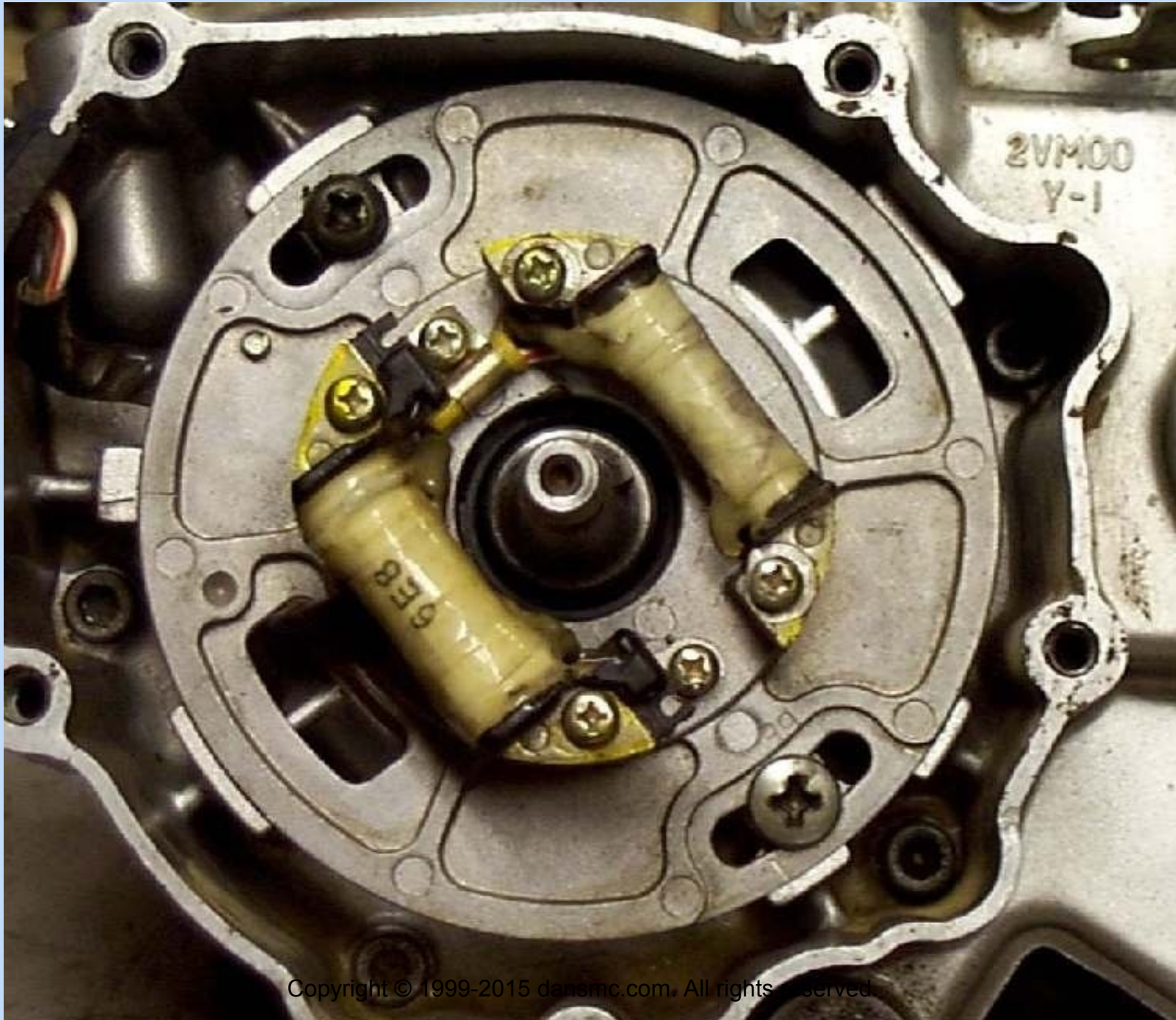
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CDI Coils





These coils supply energy for both the CDI ignition and the headlight.

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Circlips



Circlips come in inner and outer varieties and hold things on shafts or in holes. They hold piston pins in pistons, gears on shafts and wheels on axles.

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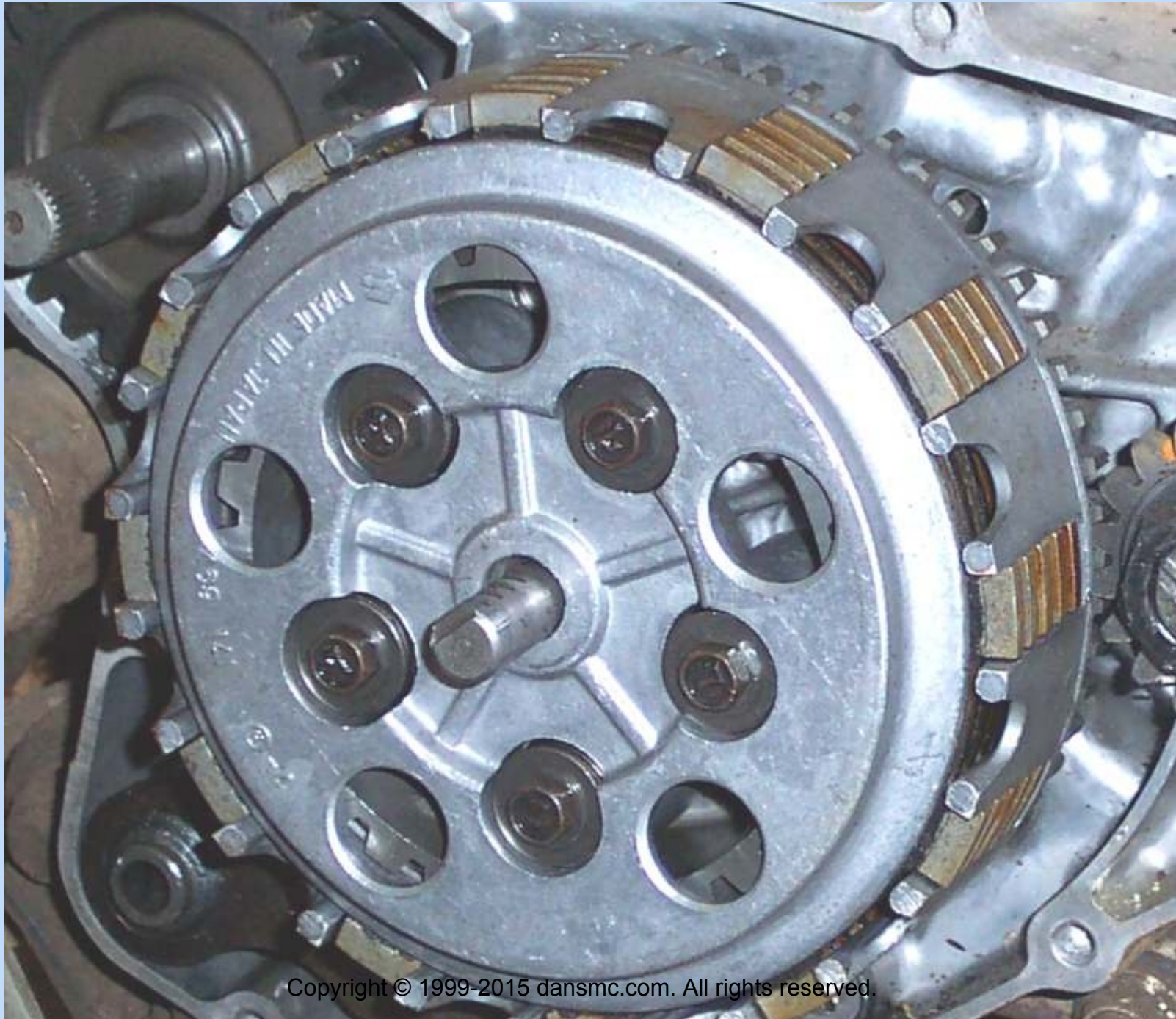
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Clutch





Clutches have one or more plates. They usually have alternating steel and fiber plates. The clutch connects and disconnects the power going from the engine to the transmission.

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Clutch Plates



Clutch plates can be steel or fiber and are used in the clutch.

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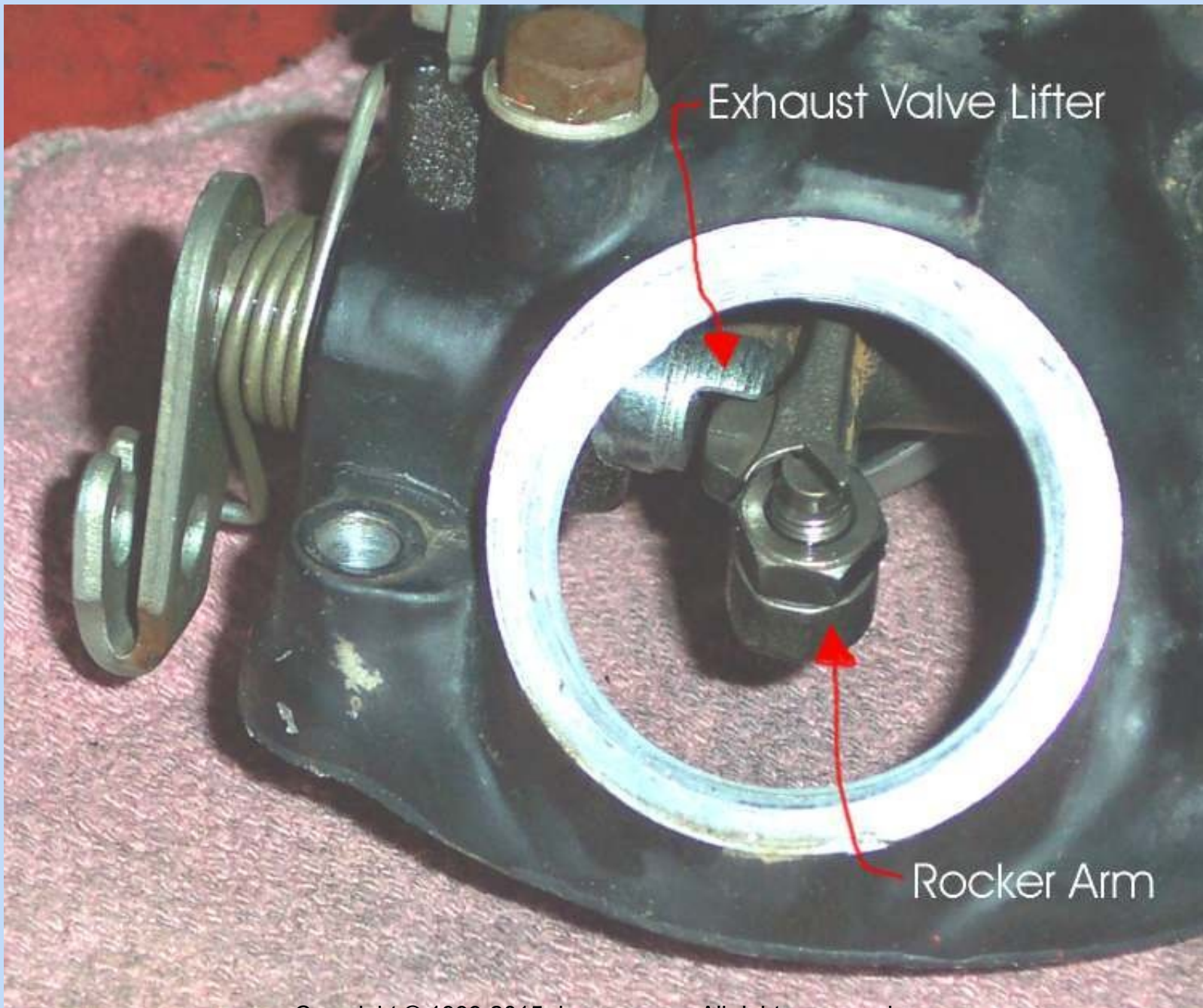
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Compression Release



**Compression releases bleed off some of the engine
compression to make starting easier.**

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Condenser



**Condensers hold elecricity going to the ignition points.
This prevants arcing of electricity when the points
open and close, making them last longer.**

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Cotter Pin





Cotter pins prevent a nut from coming off a threaded shaft.

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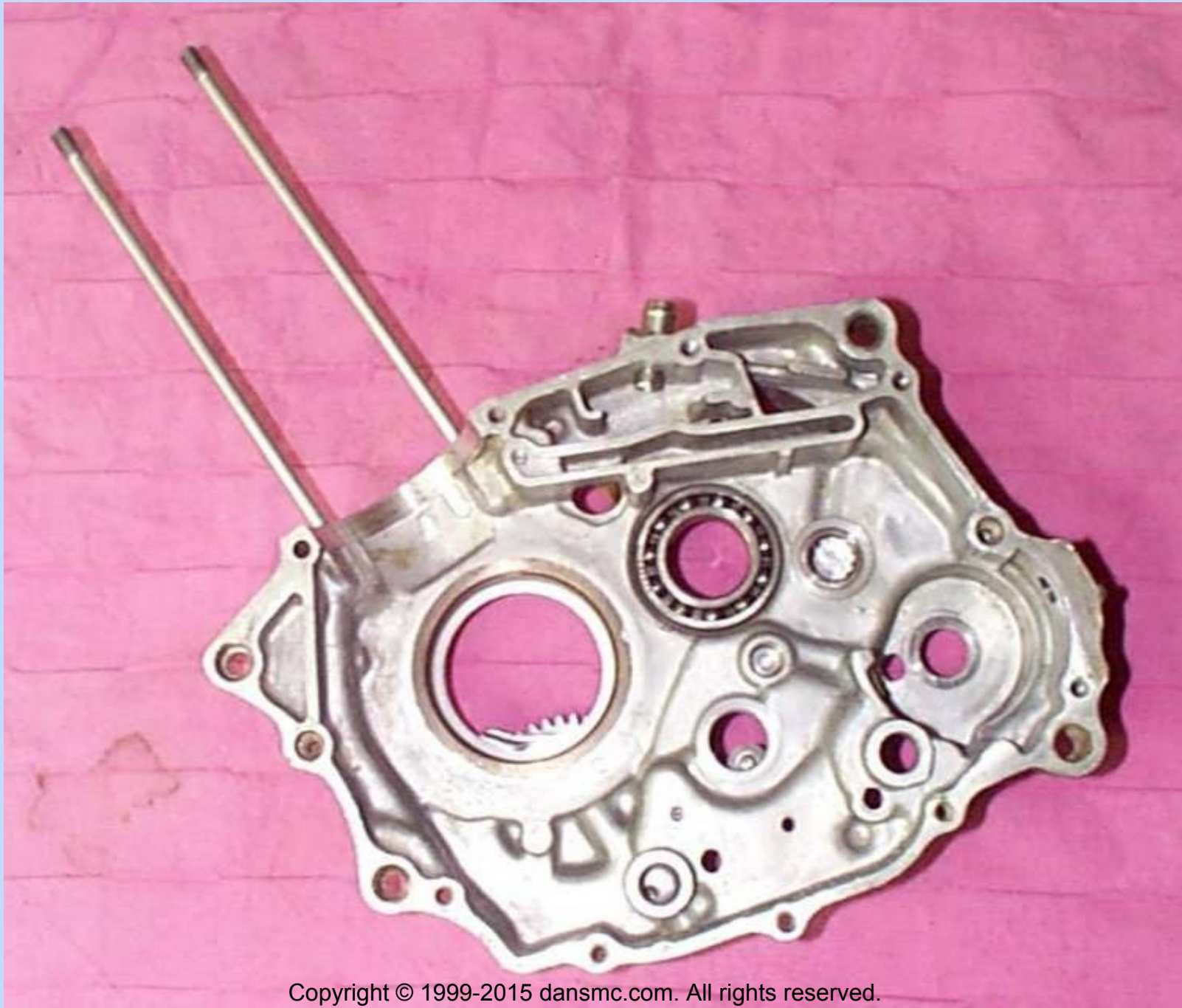
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Crank Case



Crankcases can be in one or more parts. They hold the crankshaft, cylinders, head and sometimes the transmission shafts and gears.

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Crankshaft





The crankshaft is made up of the connecting rod and flywheels. It is the heart of an engine.

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Countershaft Sprocket



The countershaft sprocket is located on the end of the countershaft of the transmission. The rear chain connects it to the rear wheel sprocket. It can be easily changed to give different gear ratios.

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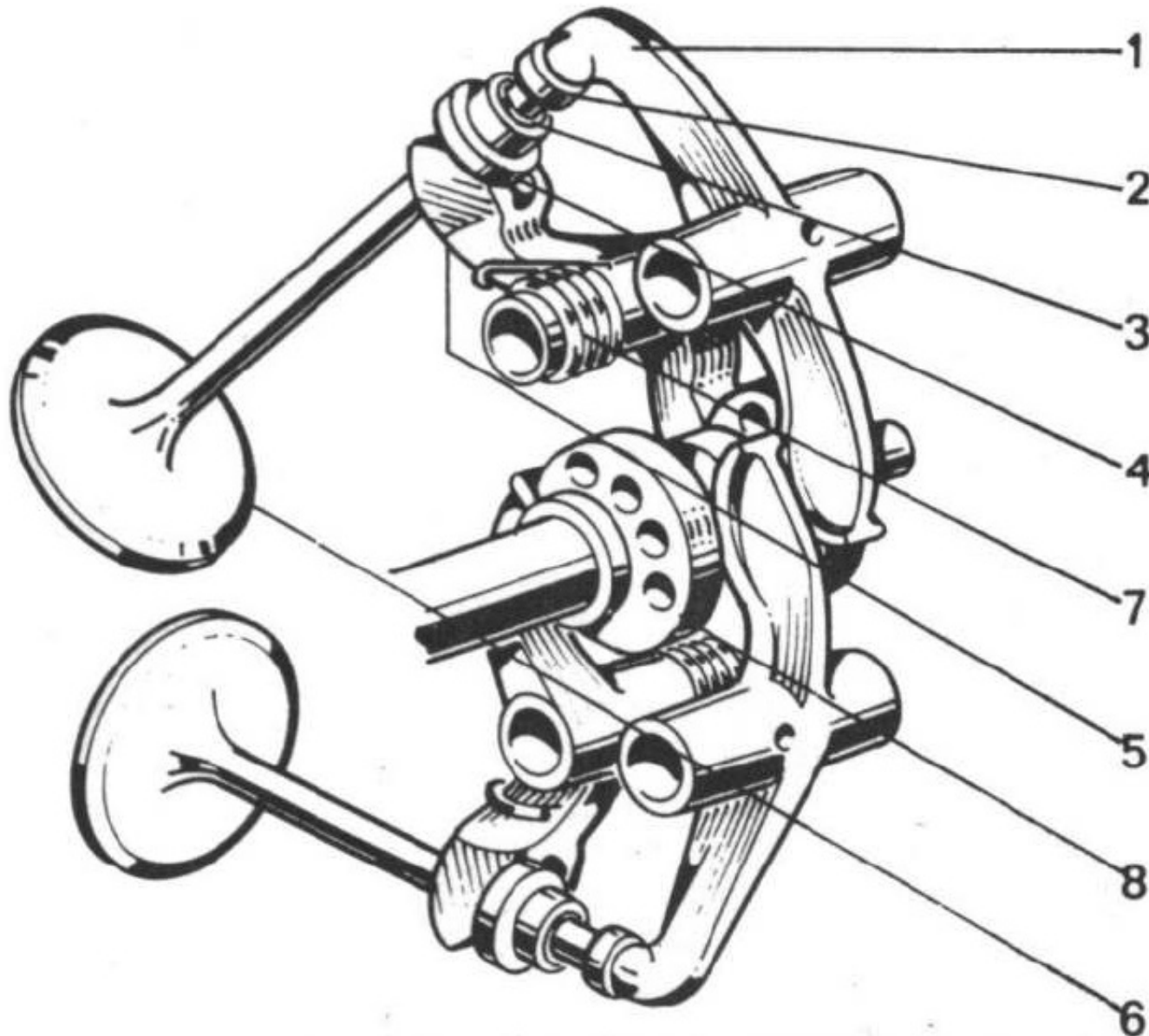
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Desmodromic Valves



Desmodromic valve arrangement

- | | | | |
|---|---------------------------|---|------------------------------|
| 1 | Opening (or upper) rocker | 5 | Closing (or lower) rocker |
| 2 | Upper rocker adjuster | 6 | Valve |
| 3 | Half-rings | 7 | Closing rocker return spring |
| 4 | Closing rocker adjuster | 8 | Camshaft |

Desmodromic valve systems have a cam that opens the valves and a cam that closes the valves.

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Diaphragm



Diaphragms are rubber sheets that act as a valve or are part of a valve like this throttle valve.

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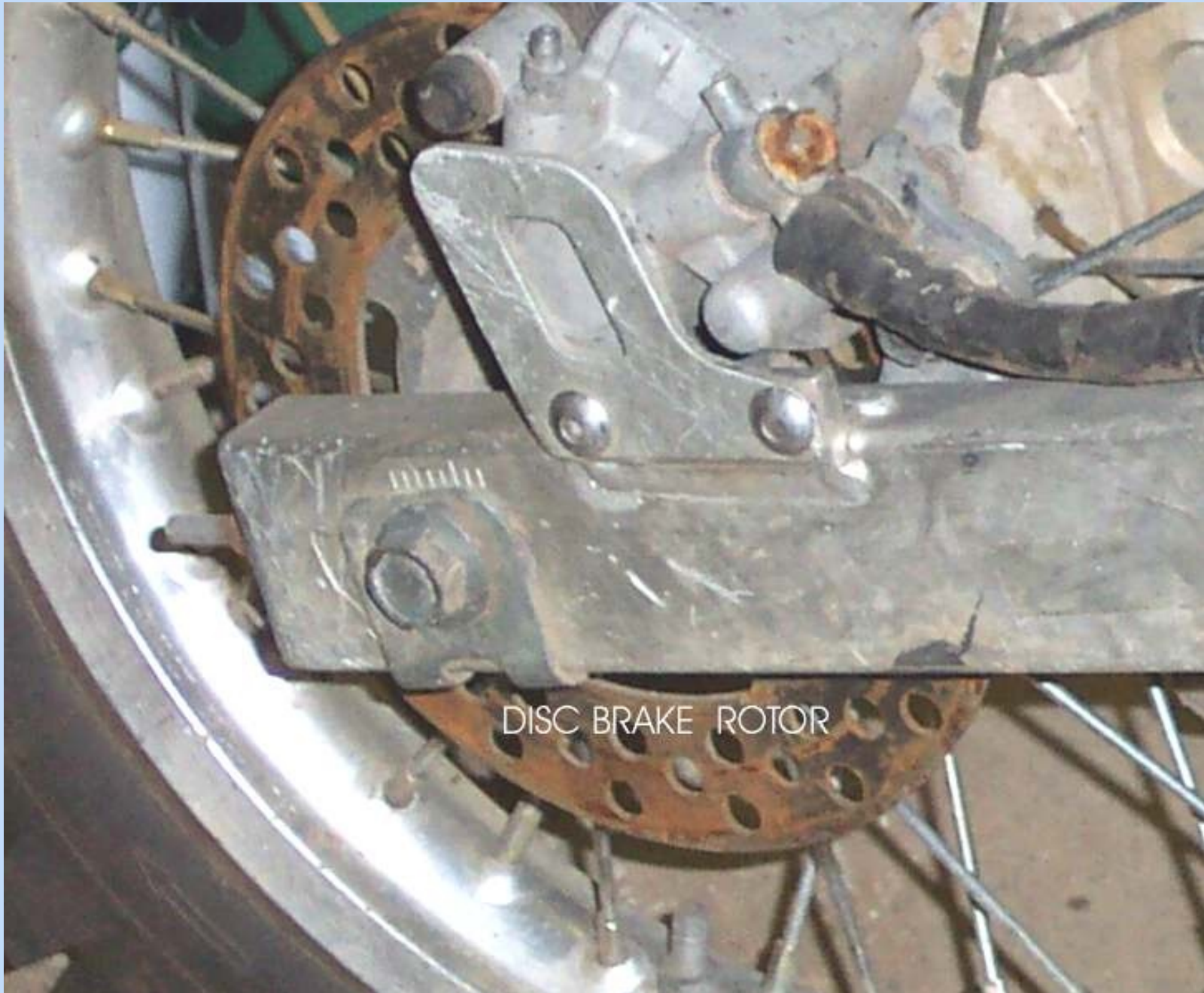
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Disc Brake Rotor



**The rotor is attached to the wheel and is stopped by
by the brake pads in a caliper.**

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Dog



A projection off the side of a gear that engages with another gear.

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Dowel



A round peg like piece of steel used for precise location of parts. It can be solid or hollow.

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Drift



Drifts are long rods of steel or brass used to drive out bearings.

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Drive Shaft



Some motorcycles use a drive shaft and a ring and pinion gear to drive the rear wheel.

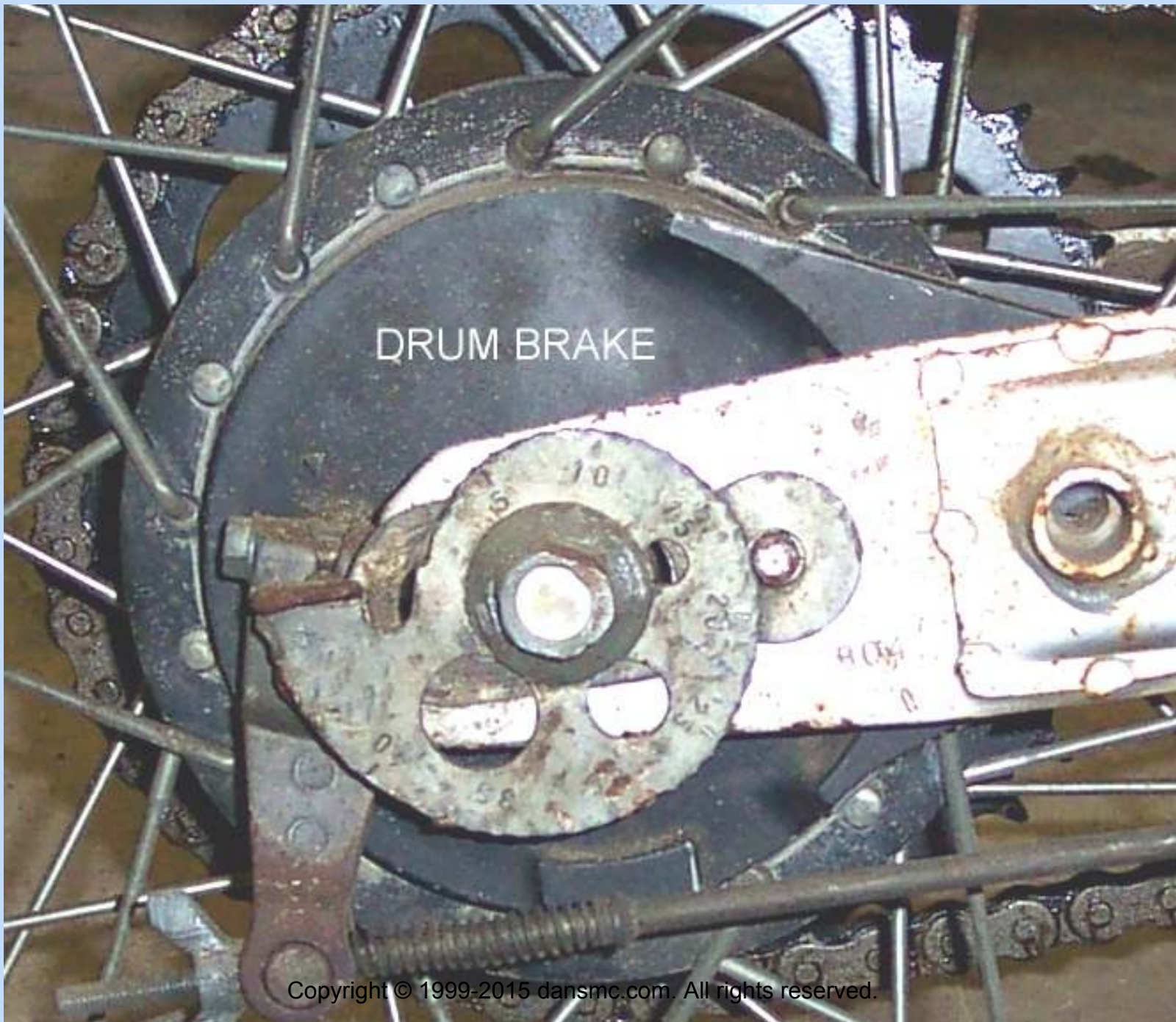
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Drum Brake





Drum brakes use a drum. Brake shoes press on the drum from the inside, stopping the motorcycle.

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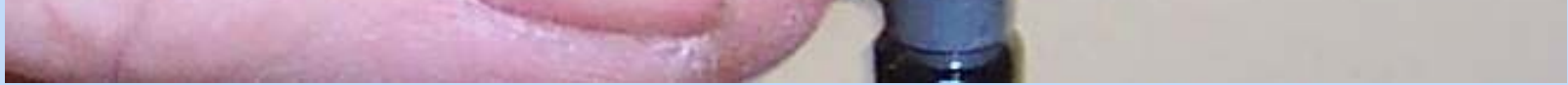
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Float Level





The height of fuel in the float bowl.

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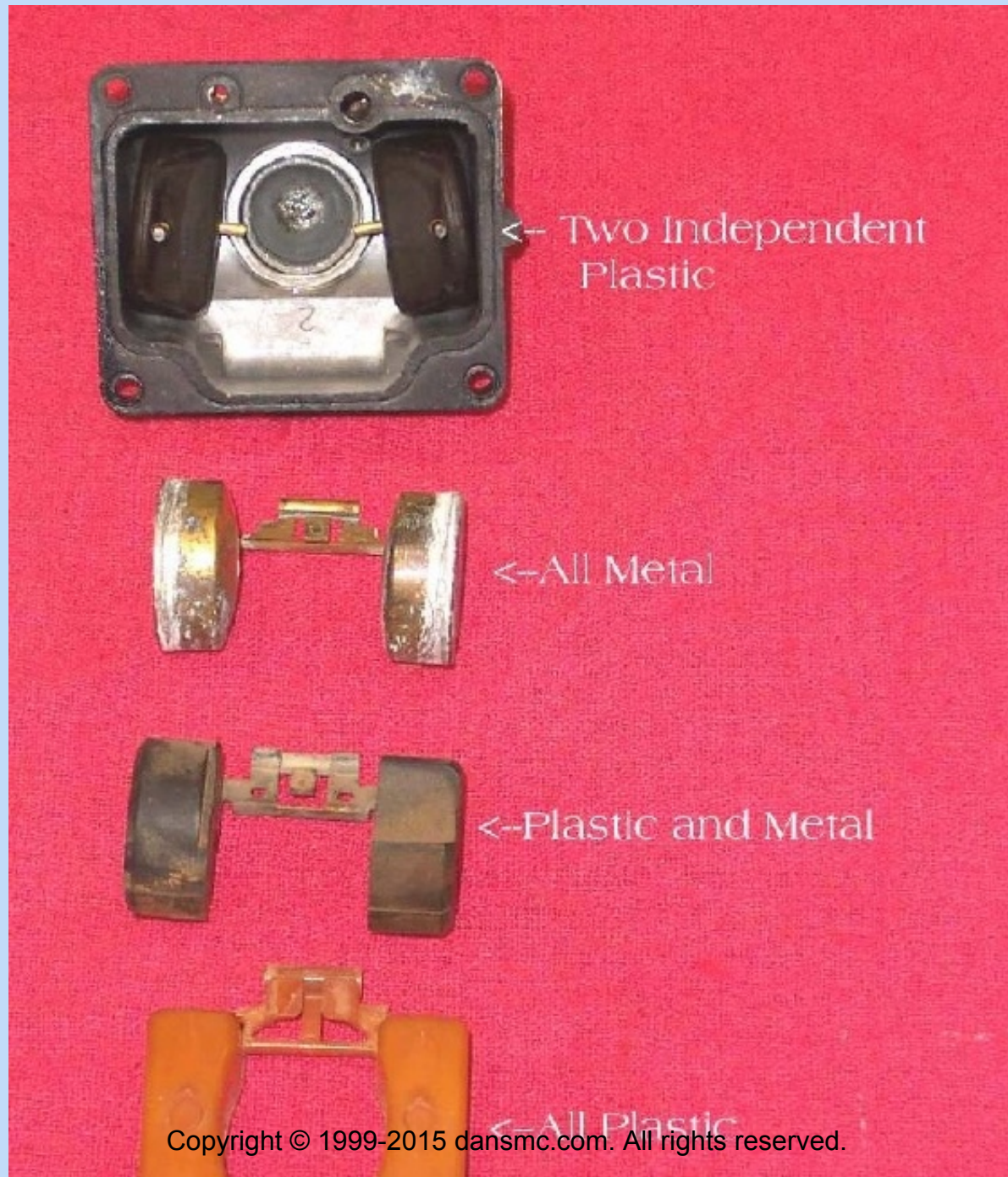
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Float Types





Floats come can be made out of metal, plastic or cork.

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Flywheel



A disk of metal attached to a cranksaft. It is used to smooth out the power impulses of he engine. It may also have magnets on it and stator coils under it to produce electricity.

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Four stroke cylinder head





**The four stroke head carries the engines valves,
rocker arms, spark plug and sometimes the camshaft.**

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Four stroke cylinder



The engine's piston moves up and down in the cylinder.

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Front Forks





Front forks are spring loaded tubes that fit into the Triple Tree.

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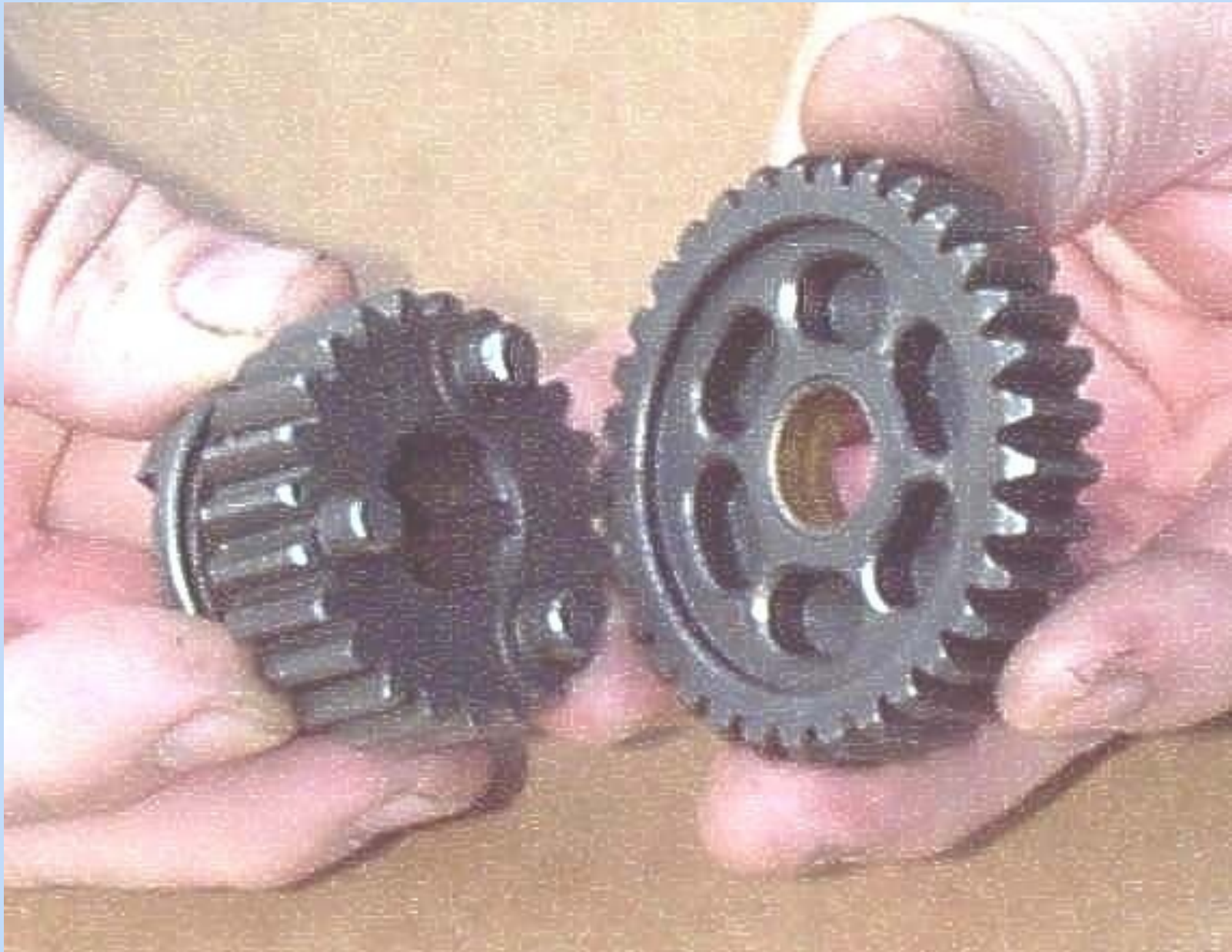
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Gears



Gears transfer power between two shafts

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Gear Cluster



Motorcycle transmissions are made up of two gear clusters. The main shaft and counter shaft gear clusters.

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Gear shifter



By moving the gear shifter lever you can shift through the transmissions gears.

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Handle Bars



Handle bars give you control of your motorcycle.

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Helicoil



HeliCoils replace stripped out aluminum threads with steel threads.

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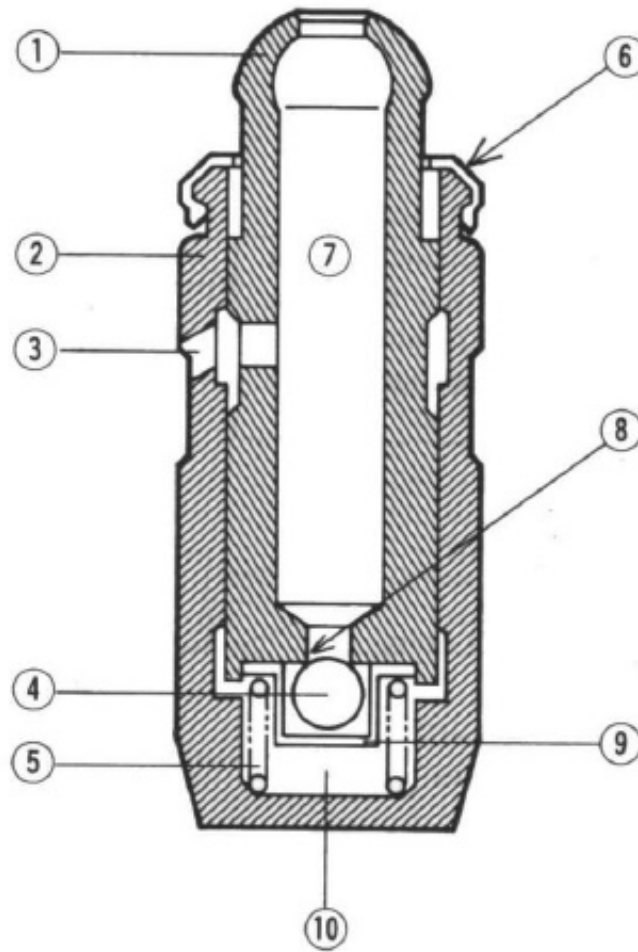
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Hydraulic Tappets



1. Pivot Plunger
2. Body
3. Oil Feed Passage
4. Ball-check Valve
5. Plunger Spring
6. Retainer Cap

5. Plunger Spring
6. Retainer Cap
7. Reservoir
8. Ball Seat
9. Ball Cage
10. High Pressure Chamber

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Hydraulic tappets automatically set the correct valve clearance with oil pressure.

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Tire Inner Tube





Most street bike tires these days are tubless but most dirt bike wheels are spoked and have an inner tube.

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Kick Starter



Kick starters let you start your motorcycle with a kick of your leg!

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Kill Buttons



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Lever



The control levers on your handle bar control the front brake on the right and the clutch on the left.

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Lever Perch



Control levers fit in perches that bolt to the handle bar.

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Magneto Coils and flywheel



Magneto coils and flywheel gives the engine spark without having a battery in the ignition system.

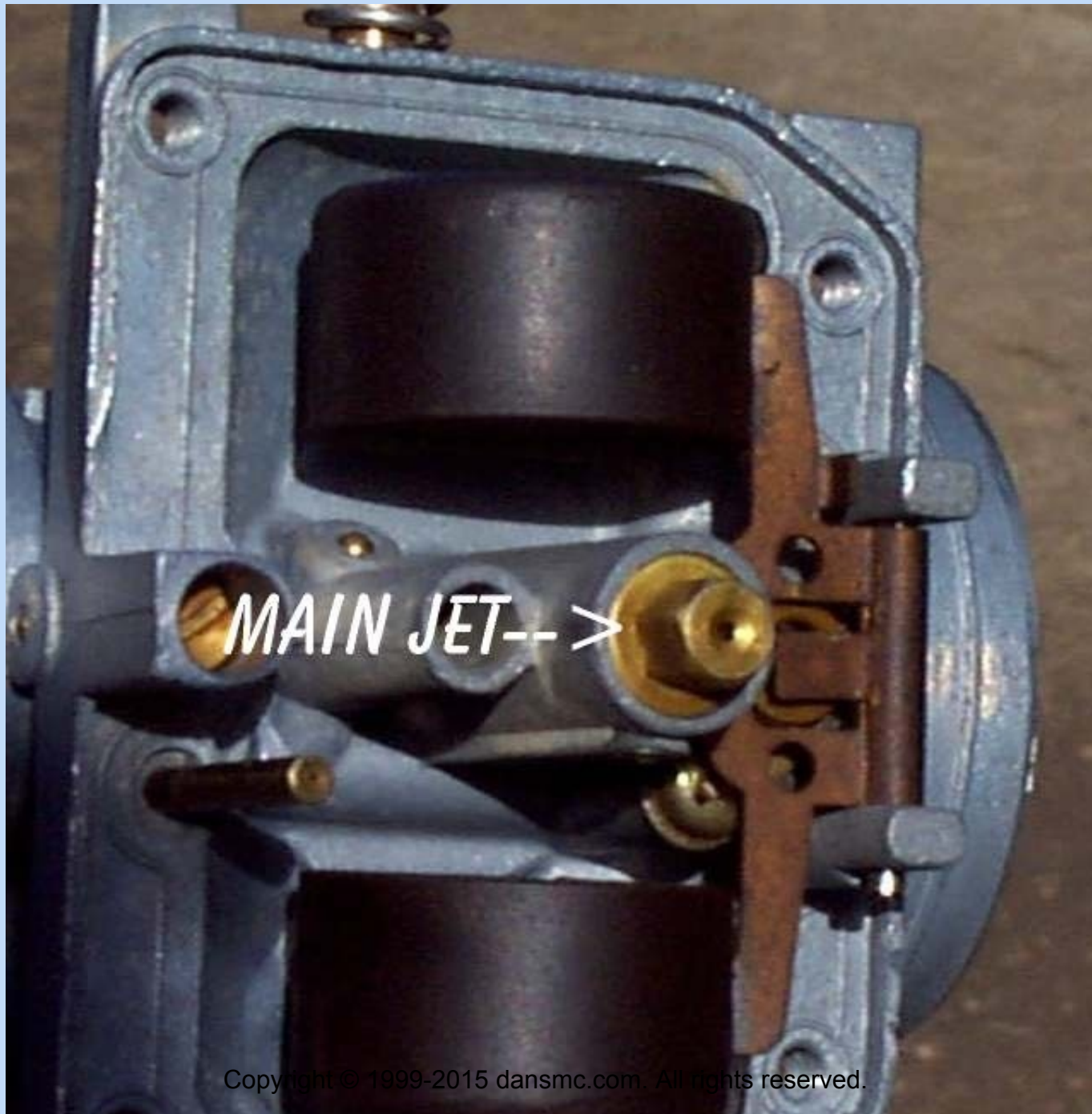
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Main Jet in the Carburetor





Main Jets are located in the center of the carburetor and control the full throttle operation of the carburetor.

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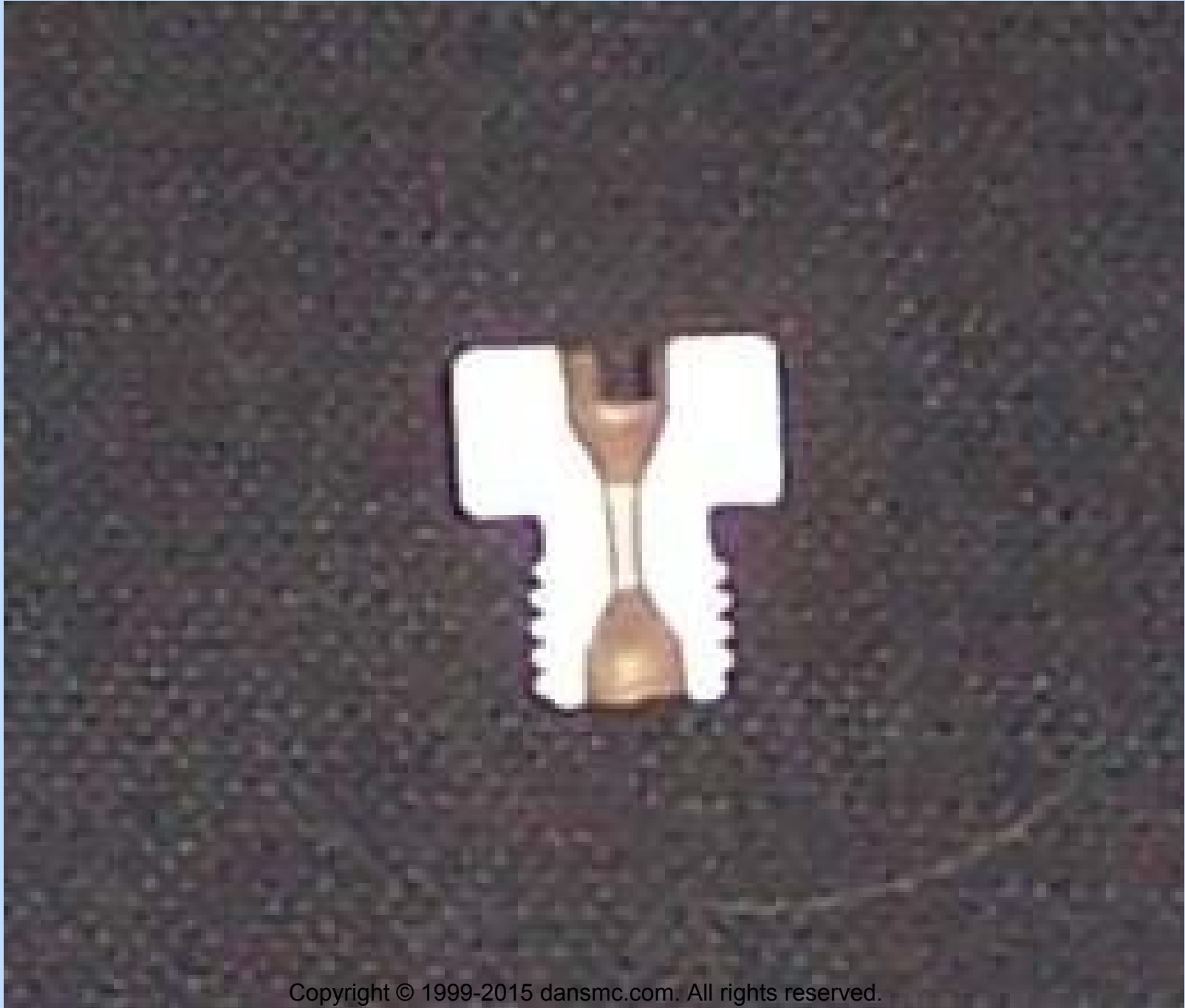
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Main Jet



Main Jets are drilled out in a specific way to help gasoline vaporize.

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Carburetor Manifold



Most engines have a rubber manifold bolted to the cylinder head. One end of the carburetor(s) is pushed into the manifold and held on with a big hose clamp.

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Master Cylinder



The master cylinder holds extra hydraulic fluid and provides the pressure to operate the brakes or clutch.

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Megaphone



A style of motorcycle exhaust usually used on racing motorcycles.

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Mono Shock



Mono shocks are a single shock absorber that provides the rear suspension for a motorcycle.

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Oil Dip Stick





The oil dip stick lets you check the engine oil level.

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Oil Filter





The oil filter filters any dirt or metal particles out of the engine oil.

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Oil Ring



Oil Rings keep engine oil from getting into the combustion chamber.

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Oil Site Window



Oil site windows let you see the actual oil level in the engine.

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Pegged Ring



Two stroke rings have to be pegged so they do not rotate. If they did rotate the end of the ring could be caught in one of the ports in the cylinder walls.

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Ignition Contact Points





Points control when the spark occurs at the spark plug.

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Push Rod





Push rods control the operation of a part like the valves or clutch.

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Radiator





The radiator cools off the coolant in a liquid cooled engine.

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Rear Chain



Some motorcycles use a rear chain to drive the rear wheel.

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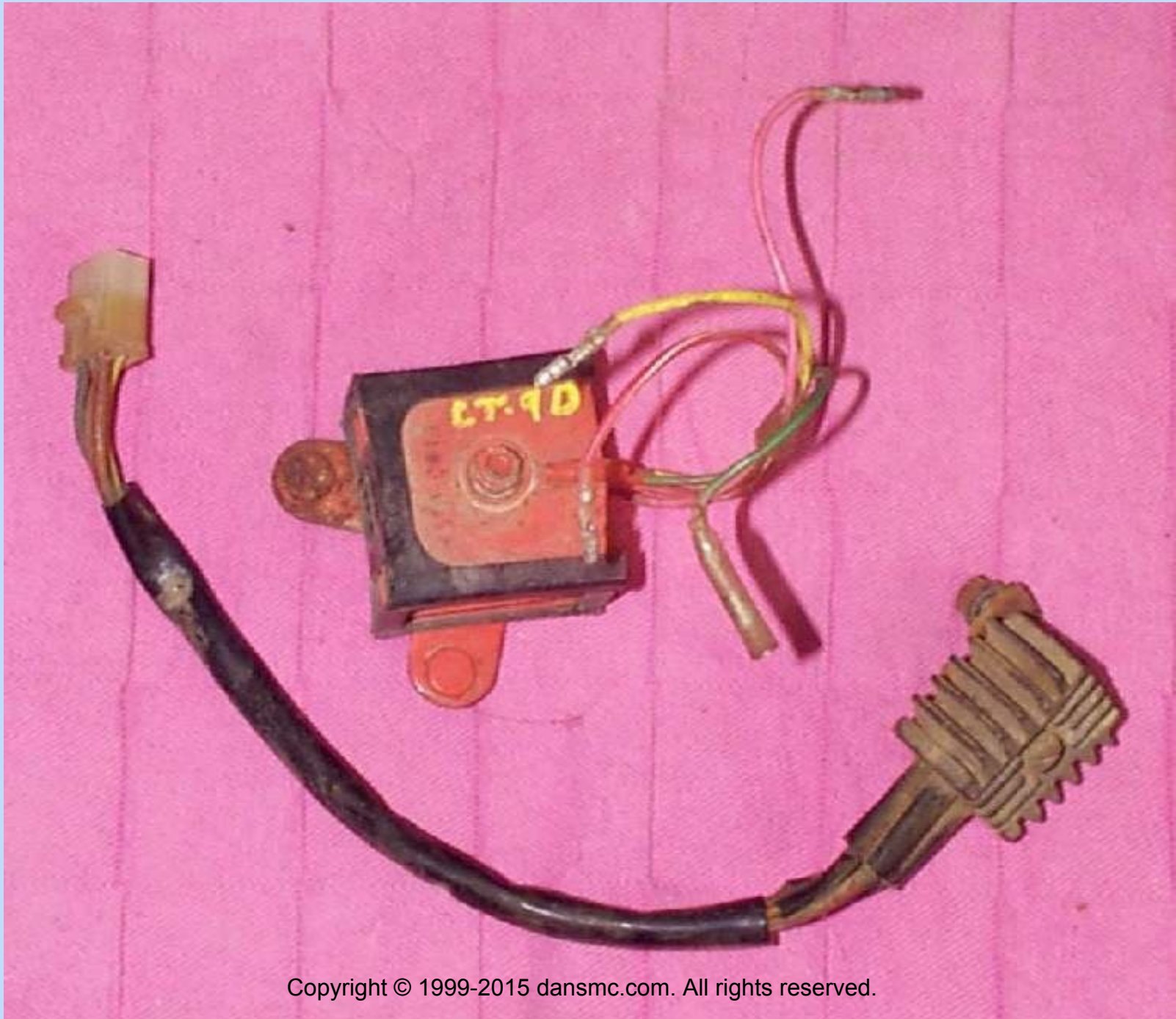
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Rectifier



Rectifiers take the alternating current produced by the alternator and changes it to direct current.

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Reed Valves





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Reed valves are one way valves that can control gas or liquid.

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Rings



Rings fit on pistons and seal in the engine combustion pressure.

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Rocker Arm



Rocker arms are pushed on by a push rod or cam and in turn push on intake or exhaust valves in an engine.

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Rod





Rods connect the piston to the crankshaft.

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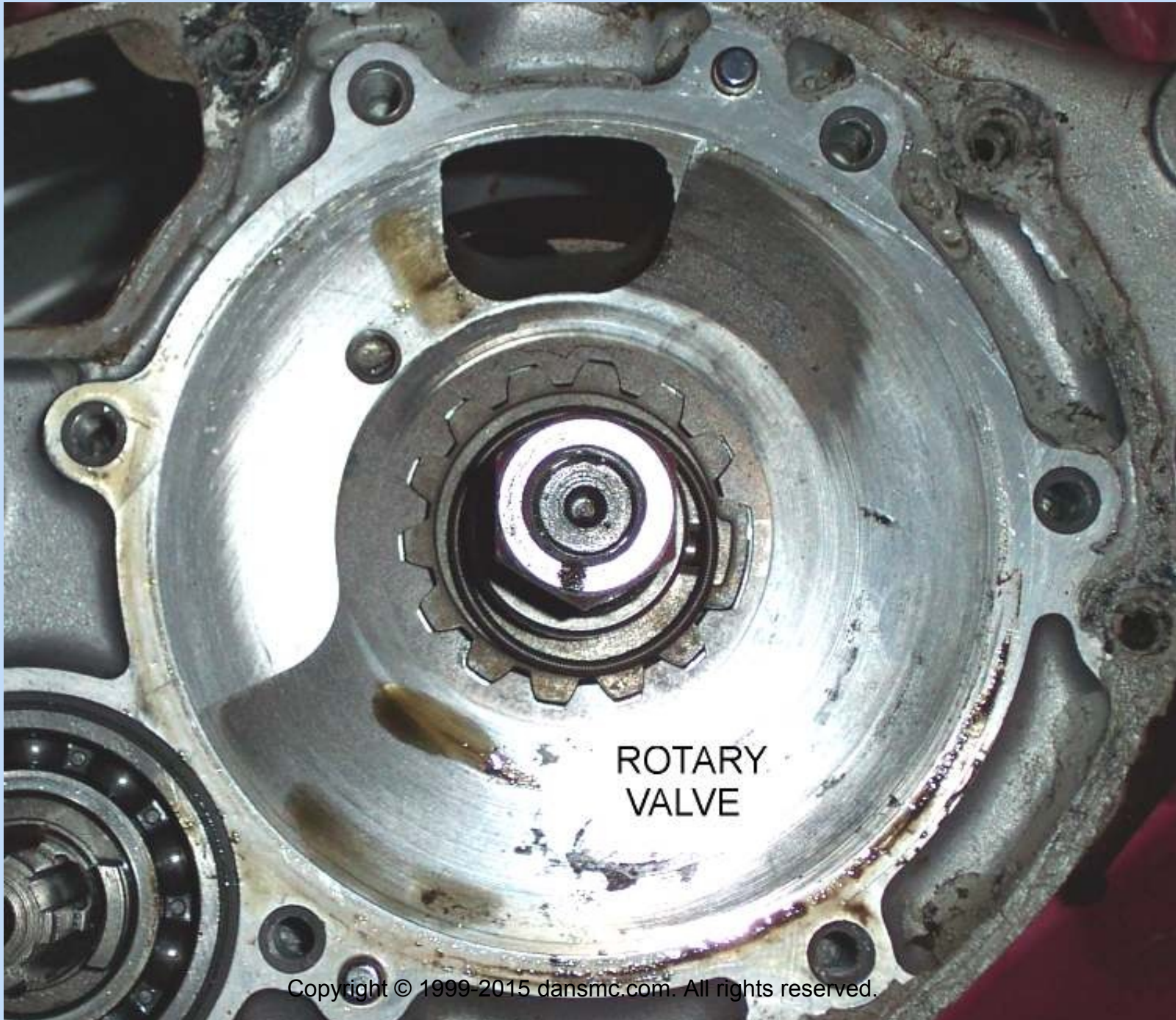
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Rotary Valve





Rotary valves are used in some types of two stroke engines to control the intake fuel mixture.

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Seals



Seals are used on shafts to keep oil or fuel mixture inside an engine.

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Shims



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Side Stand



A side stands allows a motorcycle to stand by itself with out falling over.

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Spark Advance



Spark advances allow the timing of the ignition spark to be moved.

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Vacuum Advance





Vacuum advances allow the engine's intake vacuum to help set the spark advance.

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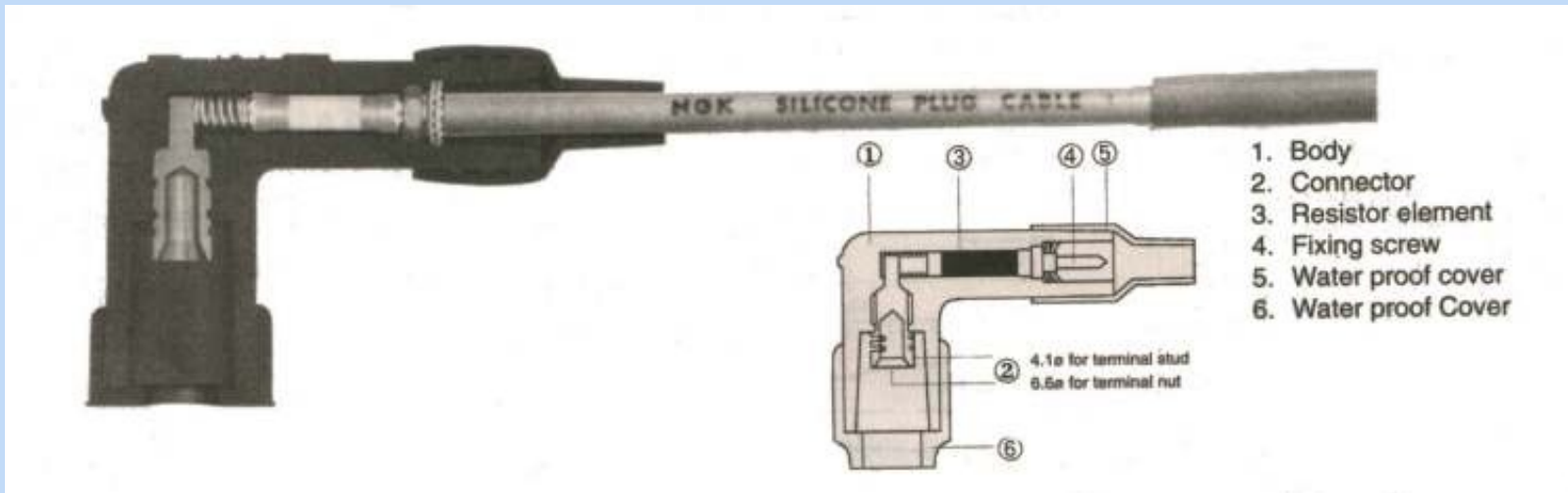
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Spark Plug Cap



Spark plug caps connect the spark plug and the large spark plug lead wire.

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Spokes





Spokes connect the wheel hub to the wheel rim.

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Sprockets





Sprockets convey the engines power to the rear wheel by a chain.

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Stator Coils



Stator coils produce the electricity used by the engine.

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Stepped Bolt



Stepped bolts are used on the control levers so the lever is bolted to the handle bar but is still able to move freely.

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Stud



Studs are short lengths of steel bar threaded at both ends.

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Swing Arm



The swing arm is the pivoted rear fork of a rear spring frame.

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Triple Tree





The triple tree holds the front forks and connects to the main frame through bearings in the steering head.

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Twin Shock





Twin shocks is a type of rear suspension that uses two shock absorbers. One on either side of the frame.

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Two Stroke Cylinder



A two stroke cylinder uses ports cast in the cylinder walls to blow the fuel mixture into the cylinder.

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Two Stroke Head



Two stroke cylinder heads carry the spark plug and sometimes a compression release.

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Valve Keepers





Valve keepers prevent the valve from sliding through the valve spring cap. Spring pressure from the valve springs then holds the keepers in position.

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Valves



Valves let the fuel/air mixture into and out of a four stroke engine.

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Valve Shim



Valve shims come in many different thicknesses to control valve clearance in a four stroke engine.

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Woodruff Key



A woodruff key is used to position a part, like a flywheel, on a shaft.

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Wrist Pin
Grudgeon Pin



A wrist pin, also called a gudgeon pin, is used to connect a rod to a piston.

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